

Dräger UCF® 9000 Thermal Imaging Camera

The compact camera that gives you the big picture

When you enter an unknown environment, you need all the information you can get – as quickly and easily as possible. The Dräger UCF® 9000 is an intrinsically safe, NFPA 1801-2013 approved thermal imaging camera that produces videos and high-resolution digital images for complex firefighting operations, search and rescue, hazmat and more.



D-62970-2012

STAY ONE STEP AHEAD

It's reassuring to know that the camera you're carrying is safe to use in a hazardous area. The Dräger UCF 9000 thermal imaging camera is intrinsically safe (UL Class 1, Division 2), which gives you peace of mind and increases your ability to focus on the mission. With ultra high resolution, the UCF 9000 comes equipped with a wide range of innovative features that allow you to use this camera for multiple firefighting and first responder applications. The result is a high performance thermal imaging camera that is rugged, innovative, and easy to use. With Dräger, "Stay One Step Ahead" means having the best technology and equipment available to help you stay ahead of whatever challenges you face, safely and confidently.

SEE EVERYTHING CLEARER

The UCF 9000 offers 44 % more detail than other firefighting thermal imaging cameras and has a wide field of view that lets you see more. Even in areas where visibility is extremely limited, the UCF 9000

provides an image that is ultra clear, giving you more information on which to base tactical decisions. Regardless of the environment, the UCF 9000 display brightness automatically adjusts to give you a clear image to view. An extended dynamic range makes it possible to clearly detect objects and people – even next to extreme heat. An ultrafast shutter provides consistent images and a clear view at all times. The UCF 9000 has a 2× and 4× zoom that gives you the ability to get a closer look at hard to reach areas.

ONE HANDED OPERATION FOR EASE OF USE

The compact, lightweight design of the UCF 9000 lets you select functions using just your thumb and index finger. When it comes to carrying the UCF 9000, it is nice to have several options. A sturdy detachable "crawling plate" lets you safely brace the camera on the ground, providing an additional movement option. The UCF 9000 also offers various carrying options for optimal comfort and portability.



D-62971-2012

Dräger UCF® 9000 thermal imaging camera



D-32294-2011

384 × 288 resolution



CONTINUOUS, AUTOMATIC RECORDING

The UCF 9000 has a "black box" that automatically records two hours of video. Even if the memory card is full, the camera will record over the beginning of the memory card. An innovative feature of the UCF 9000 is that you can instantly share videos on the display. Plus, all video and photos can be downloaded to an external device for training or documentation.

MORE MODES FOR MORE TASKS

In addition to the standard thermal mode, the UCF 9000 offers eight additional modes so you can choose the best image for each application:

- Fire (firefighting)
- Persons (search and rescue)
- Thermal Scan (searching for hotspots)
- Outdoor (searching for persons outside)
- Hazard (leak detection and level indicators)
- Scan PLUS (searching for heat sources – in real image)

- Visual (color video camera)
- Custom (User-defined via included software)

EQUIPPED WITH STANDARD UCF TIC II FUNCTIONS

The UCF 9000 has a laser pointer to mark heat sources and point out the fill level of tanks. The "snapshot" function provides a temporary freeze-frame thermal image, which then appears on the display for others to see. This feature makes it possible to see into hard to reach areas or assess particularly difficult areas.

EXTREMELY RUGGED AND DURABLE

The UCF 9000 is designed for extended use in the most hostile environments. With an extremely durable housing, the UCF 9000 is heat resistant, withstands mechanical stresses with ease, has a high protection classification (IP 67), and is resistant to water, dust and other contaminants typically encountered during emergency response situations.

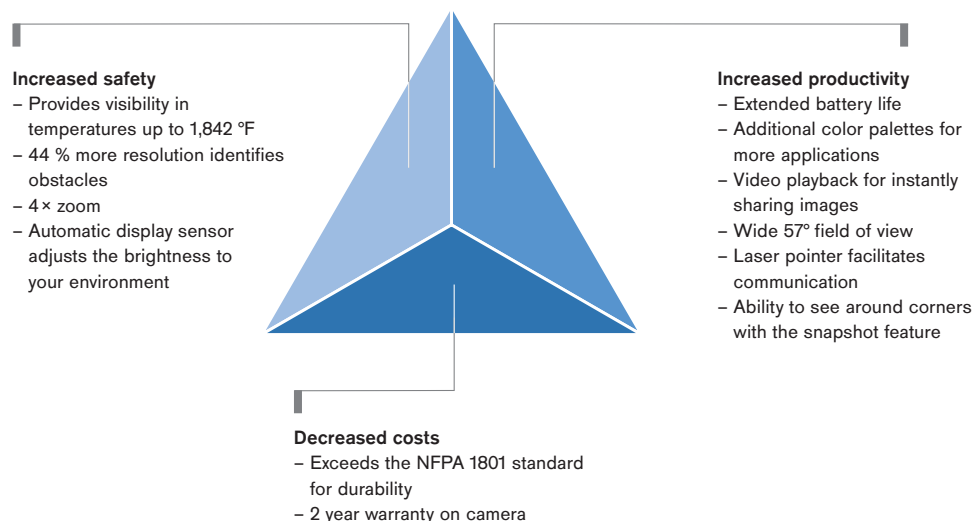
Today's lithium-ion technology provides the UCF 9000 with up to four hours of operating time, giving you peace of mind during extended operation. There is no need to carry spare batteries or change batteries out during a responder event, so you can stay focused on the task at hand. You can extend the camera's battery life by 50 % by activating standby mode. To wake up the camera, simply grab the handle.

STANDARD USB INTERFACE

The UCF 9000 is supplied with a standard USB 2.0 interface and PC software, making it possible to configure the camera and transfer thermal videos and images directly to a PC.

BENEFITS AT A GLANCE

The high performance Dräger UCF 9000 thermal imaging camera helps operations go faster, safer, and more efficiently



TECHNICAL DATA

Dräger UCF® 9000

Dimensions of camera (W × H × D)	125 × 280 × 110 mm (4.9 × 11 × 4.3 in.)
Weight	1.4 kg (3 lbs) incl. battery

Display

Technology	Liquid crystal display (LCD)
Size (diagonal)	9 cm (3.5 inches)
Application modes	Standard, Fire, Persons, Thermal Scan, Outdoors, Hazardous Goods, Scan PLUS, Normal Image, User defined 1

Housing

Protection cover	Rubber material EPDM
Carrying loops	High-temperature-resistant material
Housing material	High-temperature-resistant plastic
Protection class	IP 67

Infrared specifications

Type of sensor	a-Si Microbolometer Array
Resolution	384 × 288 pixels
IR spectral	7 to 14 µm
Temperature sensitivity	Typically 0.035 °C (0.063 °F)
Picture frequency	50 Hz

Optics

Material	Germanium
Focus	1 m to infinity
Field of view	Horizontal: 57° Vertical: 41° Diagonal: 74°

Operation

Operation time (at 73 °F) with battery	Typically 4 hours
Operation time (at 73 °F) with alkaline power pack	Typically 2 hours
Temperature measurement	Digital temperature display: -40 °C ...1,000 °C (-40 °F ... 1,832 °F)
Operating temperature	-40 °C to 85 °C (-40 °F ... 185 °F) (inside camera), 150 °C (300 °F) for 20 min, 260 °C (500 °F) for 10 min
Battery technology	Rechargeable lithium ion batteries
Battery status display	Precise 4-level battery indicator
Approvals	The Dräger UCF® 9000 meets the following regulations: NFPA 1801-2013 Approved IEC 60079-0:2007 IEC 60079-11:2006 EN 60079-0:2009 EN 60079-11:2007 ANSI/ISA 12.12.01 CAN/CSA E60079-0 CAN/CSA E60079-11
It is classified as follows: for the USA and Canada UL: Class I, Div. 2, Groups A, B, C, D, Class I, Zone 1, Ex ib IIC T4 for Europe: I M2 / II 2G, Ex ib I Mb / Ex ib IIC T4 Gb for Australia: Ex ib IIC T4 Gb Flame test according to EN137:2006	

ORDERING INFORMATION

Dräger UCF® 9000

Dräger UCF® 9000 (50 Hz)	83 21 240
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Includes:

Thermal imaging camera with integrated laser pointer, "snapshot function", 2× and 4× digital zoom, 8 additional application modes in addition to the standard mode ("application switch") including thermal scan function (also real image) and image and sound storage as well as direct display function, 1 battery and 1 charger. Also includes USB cable (camera standard: USB 2.0 interface), attachable crawling plate, PC-software, Instructions for Use and brief instruction.

Accessories

Transport case	83 21 099
Neck strap	83 23 031
Retractable lanyard	83 23 032
Hand support loop	83 23 033
Li-ion battery (with Ex-approval)	83 23 075
Battery charger	83 21 247
Power supply for charger	83 16 994
Vehicle installation kit (bracket and 12 – 30 V-cable)	83 21 110
Suction tripod, e. g. to mount on truck roof	83 23 070
Tripod	83 21 254
Universal clamp	83 21 259
12 V-adaptor for operations with tripod	In preparation
12 V-power supply for operations with tripod	83 16 994

UCF® is a trademark of Dräger.

D-10633-2011



Transport case

D-13064-2010



Battery charger



UCF® 9000 NFPA

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